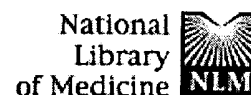


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- (74) Agent: **SANDBERG, Victoria, A.**; Muetting, Raasch & Gebhardt, P.A., P.O. Box 581415, Minneapolis, MN 55458-1415 (US).
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(54) Title: CRYSTALLIZATION AND STRUCTURE DETERMINATION OF FEMA AND/OR FEMA-LIKE PROTEINS

(57) Abstract: The x-ray crystal structure of FemA and/or FemA-like proteins is useful for solving the structure of other molecules or molecular complexes, and identifying and/or designing modifiers of FemA activity.

INTERNATIONAL SEARCH REPORT

International Application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C07K14/31 G06F17/50 G01N33/68

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B. FIELDS SEARCHED

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IPC 7 C07K G06F G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

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C. DOCUMENTS CONSIDERED TO BE RELEVANT

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X	BERGER-BÄCHI ET AL: "FemA, A HOST MEDIATED FACTOR ESSENTIAL FOR METHICILLIN RESISTANCE IN STAPHYLOCOCCUS AUREUS: MOLECULAR CLONING AND CHARACTERIZATION" MOLECULAR AND GENERAL GENETICS, SPRINGER VERLAG, BERLIN, DE, vol. 219, 1989, pages 263-269, XP002081494 ISSN: 0026-8925	1-6
Y	the whole document -& DATABASE SWISSPROT 'Online! 1 January 1990 (1990-01-01) Database accession no. P14304 XP002228801 abstract --- -/--	19-44, 51-55

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Van der Schaal, C

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DATABASE SWISSPROT 'Online! 1 November 1999 (1999-11-01) VANNUFFEL P ET AL: "Cloning and characterization of femA genes from Staphylococci species" Database accession no. Q9X6S9 XP002228804	1-6
Y	abstract	19-44, 51-55
X	----- TSCHERSKE M ET AL: "IDENTIFICATION OF THREE ADDITIONAL FEM AB-LIKE OPEN READING FRAMES IN STAPHYLOCOCCUS AUREUS" FEMS MICROBIOLOGY LETTERS, AMSTERDAM, NL, vol. 171, 1999, pages 97-102, XP000852842 ISSN: 0378-1097	1-6
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X	----- SUGAI MOTOYUKI ET AL: "Identification and molecular characterization of a gene homologous to epr (endopeptidase resistance gene) in Staphylococcus aureus." GENE (AMSTERDAM), vol. 224, no. 1-2, 11 December 1998 (1998-12-11), pages 67-75, XP002228797 ISSN: 0378-1119	1-6
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	----- -& DATABASE SWISSPROT 'Online! 1 May 1999 (1999-05-01) Database accession no. Q9ZN10 XP002228800 abstract	
X	----- DATABASE SWISSPROT 'Online! 1 May 2000 (2000-05-01) HOSKINS J ET AL: "Cloning and characterization of femA and femB from Staphylococcus epidermidis and Staphylococcus haemolyticus" Database accession no. Q9S6V4 XP002228802	1-6
Y	abstract	19-44, 51-55
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INTERNATIONAL SEARCH REPORT

International Application No
PCT/US 01/41776

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 99 47639 A (LUDWIG INST CANCER RES ;SIMPSON ANDREW J G (BR); HUMAN GENOME SCIE) 23 September 1999 (1999-09-23)	1-6
Y	the whole document especially SEQ 1 and 2	19-44, 51-55
X	EP 0 625 575 A (LILLY CO ELI) 23 November 1994 (1994-11-23)	1-6
Y	the whole document	19-44, 51-55
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